

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4/4/77			
Company Northwest Pipeline Corp.				Connection New Well					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-6	
Completion Date 3/27/77		Total Depth 5610		Plug Back TD 5540		Elevation 6335		Farm or Lease Name San Juan 29-6 Unit	
Csg. Size 4.500	Wt. 20#	d 6.456	Set At 3603	Perforations: From 4994 To 5535		Well No. #7A			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5495	Perforations: From To		Unit Sec. Twp. Rge. E 34 29 6			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg .684	% CO ₂	% N ₂	% H ₂ S	Prover orifice meter	Meter Run 4"	Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							905		905		SIP
1.	4"	X	2.750	176	8.4	70°	344		670		3 hr.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	130.00	4.33	8.4	.9905	1.209	1.019	5770
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 917	P _c ² 840,889					
NO.	P _t ²	P _w	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 2.2378$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.8296$
1		682	465124	375765		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 10,557$

Absolute Open Flow	10,557	Mcf/d @ 15.025	Angle of Slope	.75
Remarks:				

Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: Fred S. Hamrick	Checked By: BGR
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